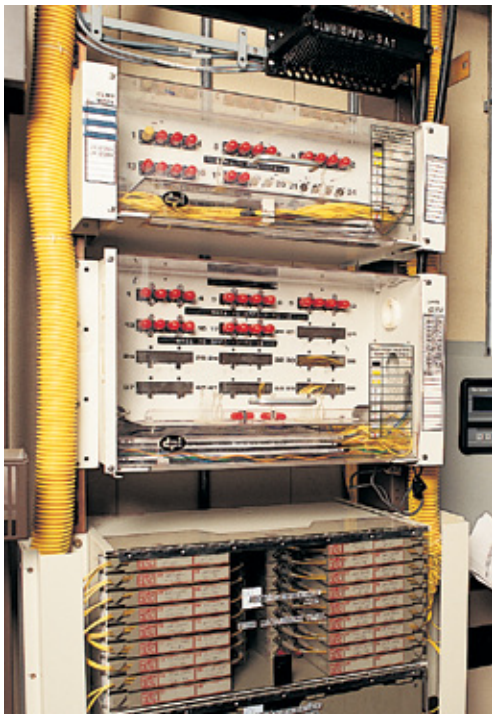
Precision Cooling
For *Business-Critical Continuity™*

Liebert InteleCool®2

Complete, Packaged Telecom Shelter Air Conditioning



EMERSON™
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Flexible Air Conditioning Designed For The Needs Of Today's Telecommunications Shelters

Choose The Cooling Solution That's Right For Your Shelter Location

Liebert®, the first name in protection for sensitive systems, has created the Liebert InteleCool®2 specifically for shelter air conditioning applications. More than just a shelter air conditioner, the Liebert InteleCool2 is a custom configured cooling system that fits your exact needs and budget. Designed with the flexibility to match the needs of today's telecommunications industry, you pick the level of protection your application requires and Liebert will configure a Liebert InteleCool2 for you.

Higher Availability:

- R-407C refrigerant meets new government requirements.
- High efficiency scroll compressor.
- Optional aluminum exterior panels for enhanced weather resistant cabinet.
- Heavy-duty, double-width blower system.
- Copper-tube, aluminum fin coils.
- Designed for operation in low ambient conditions.

Flexibility:

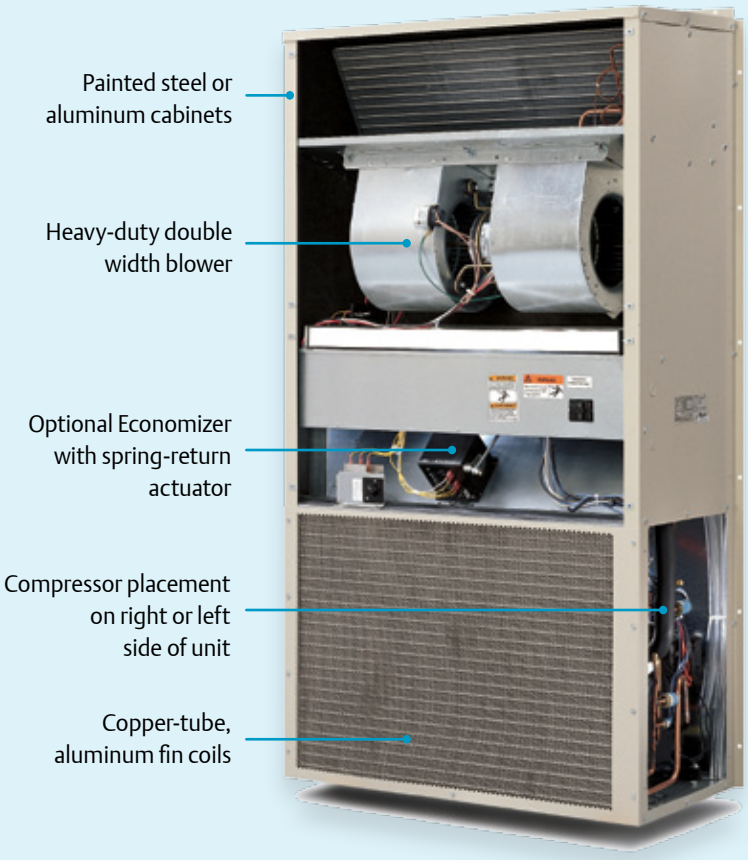
- Five capacities ranging from 2 to 5 tons.
- Easy service access — Compressor locatedon either left or right side.

Low Total Cost Of Ownership:

- Economizer option utilizes outside air for cooling to save energy.
- Self-contained unit minimizes installation time.

Now You Can Custom-Configure Shelter Air Conditioning To Your Exact Needs and Budget

Maximum Flexibility Designed To Meet All Your Shelter Cooling Requirements


Painted steel or aluminum cabinets
Heavy-duty double width blower
Optional Economizer with spring-return actuator
Compressor placement on right or left side of unit
Copper-tube, aluminum fin coils

A Perfect Match For Many Critical Applications

In addition to a wide range of telecommunications shelter applications, the Liebert InteleCool2 can be used at virtually any site that requires reliable cooling in a small, lightweight package:

- Cellular
- Radio Paging
- Microwave/Satellite
- Earth Stations
- PCS Services
- Mobile/Modular
- Electronic Equipment
- Structures

Scroll Compressor

The scroll compressor is ideal in applications where noise is a factor thanks to its low noise and vibration. The compressor may be located on either the right or left side of the unit to make it easier to service dual installations.

Fresh Air Damper

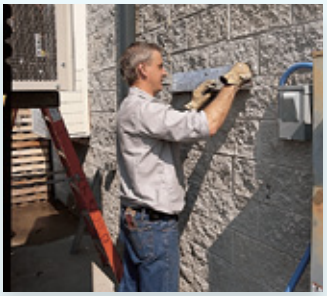
If required by your application, this feature allows the introduction of outside air into the shelter by means of a field-adjustable damper.

Controls

For the highest levels of reliability — and to minimize site downtime — critical shelters can be equipped with two Liebert InteleCool® 2 units and an autochangeover system that balances runtime and automatically switches from one unit to another unit if required.

Swift, Simple Installation

However you configure the Liebert InteleCool 2, it comes from the Liebert factory wired, piped, charged with R-407C refrigerant and factory-tested as a complete system. Each standard unit is shipped with a Nationally Recognized Testing Laboratory (NRTL) listing. If the wall openings and electric service are in place, the Liebert InteleCool 2 can be installed in as little as 30 minutes.



Installation time is minimized with Liebert InteleCool2's self-contained packaging.

Industry-standard evaporator supply and return openings allow the unit to be placed quickly.

Economizer Option

The Liebert InteleCool 2 can be equipped with an economizer system that uses modulating dampers to draw in filtered, outside ambient air for cooling when the exterior temperature drops below a pre-set level. These outside air temperature settings are field adjustable. The economizer saves energy and reduces component wear.

No Economizer
When outside temperatures are warmer than the inside air, the Economizer is closed and indoor air is recirculated to maintain proper cooling.

Full Economizer
The Economizer takes advantage of low outdoor ambients, drawing on this cool air to maintain indoor temperatures. The result is cooling at lower energy costs, also saving wear on components.

Modulated
In Modulated mode, the Economizer draws cool outside air and recirculates indoor air, reducing compressor run time.

Specifications

60Hz Models 95°F Outdoor Ambient, Net Capacity

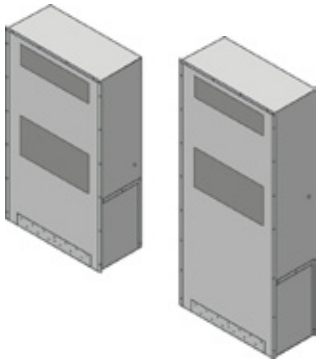
Model 80°F DB/67°F WB (26.7°C DB/19.4°C WB)	ET024	ET036	ET048	ET060
Total BTU/H	21,400	32,900	45,600	53,800
Total kW	6.3	9.6	13.4	15.8
Sensible BTU/H	16,900	23,800	34,600	37,700
Sensible kW	5.0	6.9	10.2	11.1
75°F DB/62.5°F WB (23.9°C DB/16.9°C WB)				
Total BTU/H	19,900	30,700	42,300	49,800
Total kW	5.8	9.0	12.4	14.6
Sensible BTU/H	16,400	23,100	34,100	36,900
Sensible kW	4.8	6.8	10.0	10.8
Weight				
(Standard Unit) lbs.(kg)	330 (150)	330 (150)	470 (213)	470 (213)
(Unit w/Economizer) lbs.(kg)	350 (159)	350 (159)	490 (222)	490 (222)

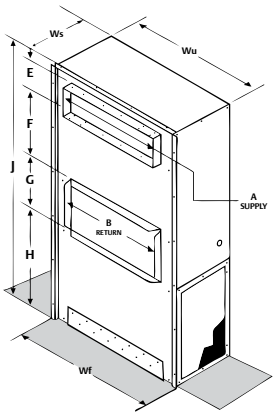
50Hz Models 95°F Outdoor Ambient, Net Capacity

Model 80°F DB/67°F WB (26.7°C DB/19.4°C WB)	ET035	ET047	ET059
Total BTU/H	26,600	38,300	46,600
Total kW	7.8	11.2	13.6
Sensible BTU/H	20,700	29,300	32,400
Sensible kW	6.1	8.6	9.5
75°F DB/62.5°F WB (23.9°C DB/16.9°C WB)			
Total BTU/H	24,700	35,500	43,600
Total kW	7.2	10.4	12.7
Sensible BTU/H	20,400	28,400	31,600
Sensible kW	6.0	8.4	9.2
Weight			
(Standard Unit) lbs.(kg)	330 (150)	470 (213)	470 (213)
(Unit w/Economizer) lbs.(kg)	350 (159)	490 (222)	490 (222)

Model	Wu	Ws	Wf	A	B	E	F	G	H	J
2 Ton	37-1/8 (943)	17-3/4 (451)	38-3/4 (984)	20 (508)	20 (508)	8 (203)	20-3/4 (527)	12 (305)	25-1/16 (638)	69-3/4 (1772)
3 Ton	37-1/8 (943)	17-3/4 (451)	38-3/4 (984)	28 (711)	28 (711)	8 (203)	18 (457)	14 (356)	26 (660)	69-3/4 (1772)
4/5 Ton	41 (1041)	22-1/2 (572)	42-3/4 (1086)	30-1/4 (768)	29-7/8 (759)	9-7/8 (251)	30 (762)	15-7/8 (403)	25-25/64 (645)	83 (2108)

Wu= unit width Wf=width to flange edges A=height to top of flange





Shaded areas indicate a recommended clearance of 34" (864mm) in front and 30" (762mm) each side or 36" (914mm) each side when mounted adjacent to another unit or component access. For recommended minimum clearances refer to the installation manual.

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